



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification 6 : <b>H04L 9/32</b></p>	<p><b>A1</b></p>	<p>(11) International Publication Number: <b>WO 97/08869</b></p> <p>(43) International Publication Date: <b>6 March 1997 (06.03.97)</b></p>
<p>(21) International Application Number: <b>PCT/IB96/00859</b></p> <p>(22) International Filing Date: <b>27 August 1996 (27.08.96)</b></p> <p>(30) Priority Data:  <div style="display: flex; justify-content: space-between;"> <span>95113489.9</span> <span>28 August 1995 (28.08.95)</span> <span>EP</span> </div> <p>(34) Countries for which the regional or international application was filed: <b>AT et al.</b>  <div style="display: flex; justify-content: space-between;"> <span>117234</span> <span>22 February 1996 (22.02.96)</span> <span>IL</span> </div> </p> <p>(71)(72) Applicants and Inventors: <b>FELDBAU, Ofra [IL/IL];</b>  <b>12 Avtalyon Street, 52424 Ramat Gan (IL). FELDBAU,</b>  <b>Michael [IL/IL]; 12 Avtalyon Street, 52424 Ramat Gan</b>  <b>(IL).</b></p> </p>	<p>(81) Designated States: <b>AU, CA, CN, IL, JP, KR, MX, NZ, SG,</b>  <b>US, European patent (AT, BE, CH, DE, DK, ES, FI, FR,</b>  <b>GB, GR, IE, IT, LU, MC, NL, PT, SE).</b></p> <p><b>Published</b>  <i>With international search report.</i></p>	
<p>(54) Title: <b>APPARATUS AND METHOD FOR AUTHENTICATING THE DISPATCH AND CONTENTS OF DOCUMENTS</b></p>		
<p>(57) Abstract</p> <p>Apparatus and method for authenticating that a sender has sent certain information via a dispatcher to a recipient is disclosed. The method includes the steps of: (a) providing a set A comprising a plurality of information elements a1, ..., an, said information element a1 comprising the contents of said dispatched information, and said one or more information elements a2, ..., an comprising dispatch-related information and comprise at least the following elements: a2 - a time indication associated with said dispatch; and a3 - information describing the destination of said dispatch, and wherein at least one of said information elements is provided in a manner that is resistant or indicative of tamper attempts by said sender; (b) associating said dispatch-related information with said element a1 by generating authentication-information, in particular comprising a representation of at least said elements a1, a2 and a3, said representation comprising a set of one or more elements, each comprising a representation of one or more elements of said set A; (c) securing at least part of said authentication-information against undetected tamper attempts of at least said sender. The dispatch relates either to transmission or to manual delivery. The apparatus implements the operations of the method.</p>		

**FOR THE PURPOSES OF INFORMATION ONLY**

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AM	Armenia	GB	United Kingdom	MW	Malawi
AT	Austria	GE	Georgia	MX	Mexico
AU	Australia	GN	Guinea	NE	Niger
BB	Barbados	GR	Greece	NL	Netherlands
BE	Belgium	HU	Hungary	NO	Norway
BF	Burkina Faso	IE	Ireland	NZ	New Zealand
BG	Bulgaria	IT	Italy	PL	Poland
BJ	Benin	JP	Japan	PT	Portugal
BR	Brazil	KE	Kenya	RO	Romania
BY	Belarus	KG	Kyrgyzstan	RU	Russian Federation
CA	Canada	KP	Democratic People's Republic of Korea	SD	Sudan
CF	Central African Republic	KR	Republic of Korea	SE	Sweden
CG	Congo	KZ	Kazakhstan	SG	Singapore
CH	Switzerland	LI	Liechtenstein	SI	Slovenia
CI	Côte d'Ivoire	LK	Sri Lanka	SK	Slovakia
CM	Cameroon	LR	Liberia	SN	Senegal
CN	China	LT	Lithuania	SZ	Swaziland
CS	Czechoslovakia	LU	Luxembourg	TD	Chad
CZ	Czech Republic	LV	Latvia	TG	Togo
DE	Germany	MC	Monaco	TJ	Tajikistan
DK	Denmark	MD	Republic of Moldova	TT	Trinidad and Tobago
EE	Estonia	MG	Madagascar	UA	Ukraine
ES	Spain	ML	Mali	UG	Uganda
FI	Finland	MN	Mongolia	US	United States of America
FR	France	MR	Mauritania	UZ	Uzbekistan
GA	Gabon			VN	Viet Nam

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 96/00859

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 6 H04L9/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP,A,0 516 898 (PITNEY BOWES INC.) 9 December 1992 cited in the application see abstract see column 2, line 34 - column 3, line 11 see column 4, line 24 - column 5, line 57 see figure 1	1,27
A	D.W.DAVIES & W.L.PRICE: "SECURITY FOR COMPUTER NETWORKS" 1989, JOHN WILEY & SONS, CHICHESTER (UK) XP002020015 cited in the application see page 130, line 25 - page 131, line 28	1,27

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

2 December 1996

Date of mailing of the international search report

17.12.96

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Lydon, M

## INTERNATIONAL SEARCH REPORT

### Information on patent family members

Internal Application No.

PCT/IB 96/00859

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP-A-516898	09-12-92	US-A- 5022080	04-06-91
-----			